(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization International Bureau



(43) International Publication Date 18 December 2003 (18.12.2003)

PCT

(10) International Publication Number WO 03/104976 A2

(51) International Patent Classification7:

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(21) International Application Number: PCT/IB03/02093

(22) International Filing Date: 4 June 2003 (04.06.2003)

(25) Filing Language:

English

G06F 9/38

(26) Publication Language:

English

(30) Priority Data: 02012577.9

6 June 2002 (06.06.2002) EP

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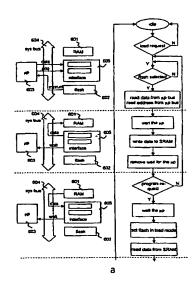
- (81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (regional): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GO, GW, ML, MR, NE, SN, TD, TG).

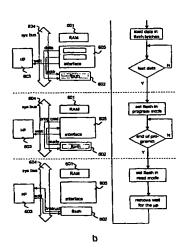
Published:

 without international search report and to be republished upon receipt of that report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: METHOD FOR WRITING DATA TO A NON-VOLATILE MEMORY EMBEDDED IN AN INTEGRATED CIRCUIT AND CORRESPONDING CIRCUIT





(602) embedded in an integrated circuit. The main objective is to optimize the use of this embedded non-volatile memory (602) embedded in an integrated circuit. The main objective is to optimize the use of this embedded non-volatile memory. The method comprises a number of steps: The data to be written to the non-volatile memory (602) is first transferred to a volatile memory (601). Thereafter, a wait signal (wait) will be send to the processor (603). Then, the data (DATA) will be transferred from the volatile memory (601) to the non-volatile memory (602). At last, the wait signal (wait) will be removed. Thus the non-volatile memory (602) can be used both as instruction memory and as RAM, which achieves the main goal of this invention. The corresponding circuitry is a complex integrated circuit equipped to execute the above functions.